|   | . Index of Cla |                          | Арр  | licatio | on/Control No. |   | Applicant(s)/Patent under Reexamination KAMIGUCHI, KINYA |   |  |  |  |
|---|----------------|--------------------------|------|---------|----------------|---|--|---|--|--|--|
|   |                |                          | 10/6 | 47,34   | <b>43</b>      |   |  |   |  |  |  |
| • |                |                          | Exa  | miner   |                |   | Art Unit -   | 1 |  |  |  |
|   |                | []] <b>[]]]]</b> []] []] | Mari | iceli S | Santiago       |   | 2879   |   |  |  |  |
|   | R Rejected     | _ (Through nu            |      | N       | Non-Elected    | A | Appeal   |   |  |  |  |
|   | = Allowed      | + Restricte              | d    | 1       | Interference   | 0 | Objected   |   |  |  |  |

| Cla      | im       | Т        | _                       |   | -        | 724      |           |          |          | _        | 1   | <u></u>         | in-      | _        |          |                         | _         | 104-    |         |                    |                    | ٦          |  | -:         |                         |                         |                 | _               |                     |                    |             |  |
|----------|----------|----------|-------------------------|---|----------|----------|-----------|----------|----------|----------|-----|-----------------|----------|----------|----------|-------------------------|-----------|---------|---------|--------------------|--------------------|------------|--|------------|-------------------------|-------------------------|-----------------|-----------------|---------------------|--------------------|-------------|--|
| Uia<br>T |          | Date     |                         |   |          |          |           |          |          |          |     | im              | n Date   |          |          |                         |           |         |         |                    |                    |            | Claim  |            |                         | Date                    |                 |                 |                     |                    |             |  |
| Final    | Original | 10/31/05 |                         |   |          |          |           |          |          |          |     | Final           | Original |          |          |                         |           |         |         |                    |                    |            | Final  | Original   |                         |                         |                 |                 |                     |                    |             |  |
|          |          |          |                         |   |          |          |           |          | T        |          |     |                 | 51       |          |          | 7                       | 7         | _       | +       | +                  | +-                 | 1          | <u> </u>   | 101        | $\dashv$                | +                       | ┿               | +-              | $\vdash$            | Н                  | $\dashv$    |  |
|          | Z        | R        |                         |   |          |          |           | Ι.       |          |          | l   |                 | 52       |          |          |                         |           |         | 1       | T                  | Τ                  | 1          |  | 102        | 1                       | $\top$                  | 十               | ✝               | П                   |                    | _           |  |
|          | 3        | R        |                         | _   |          |          |           |          |          |          |     |                 | 53       |          |          |                         |           |         | T       | T                  | T                  | 7          |  | 103        | $\neg$                  |                         | †⁻              | ✝               | П                   | П                  | $\neg$      |  |
| _        | X        | R        | _                       | _   |          |          |           | L        | Ш        | L        |     |                 | 54       |          |          |                         |           |         | $\Box$  |                    | $oxed{\mathbb{L}}$ | ]          |  | 104        |                         |                         | 1               | T               | П                   | П                  | 7           |  |
|          | 5        | R        | -4                      |   | _        |          |           | ㄴ        | L        | Ц        |     | Ш               | 55       | Ц        |          | 4                       | 4         | _       | $\perp$ | $\perp$            | L                  | ]          |  | 105        | $\Box$                  |                         |                 |                 |                     |                    | $\Box$      |  |
| -        | 7        | R        | -                       |   |          | Ц        |           | <b>L</b> | Н        | Ш        |     |                 | 56       | Ш        |          | 4                       | 4         | 4       | 4       | 4                  | <u>↓</u>           | ↓          |  | 106        |                         | $\perp$                 | 1_              |                 | Ш                   |                    |             |  |
| $\dashv$ | 8        | R        | ┥                       | -   | $\dashv$ | -        | _         | ⊢        | Н        | Н        |     | <u> </u>        | 57       | Н        |          | -                       | -         | +       | 4       | +                  | ╄                  | 4          | Ь—   | 107        | -                       | 4                       | 4               | _               | Ш                   | Ш                  | $\perp$     |  |
| -        | 5        | R        | ┪                       | ┪   |          | $\dashv$ | _         | ⊢        | Н        | Н        |     | H               | 58<br>59 | Н        | $\dashv$ | +                       | +         | +       | +       | +                  | ╁                  | 4          | $\vdash$   | 108        | $\dashv$                | -                       | ╀-              | ╄-              | Н                   | _                  |             |  |
|          |          | R        | $\dashv$                | ┪   | ┪        | -        | -         | $\vdash$ | Н        | Н        |     |                 | 60       | Н        |          | +                       | ┥         | +       | +       | ┿                  | ┿                  | ┨          | Н  | 109<br>110 |                         | +                       | ╀               | ╄               | Н                   | $\Box$             |             |  |
|          |          | R        | $\dashv$                | 7   | ┪        |          | _         | $\vdash$ | Н        | Н        |     |                 | 61       | H        | $\dashv$ | -+                      | +         | ┰       | +       | +                  | ╁                  | 1          | $\vdash\vdash\vdash$   | 111        | +                       | ┰                       | ╁               | ╁               | H                   | -                  | +           |  |
| 一        | 12       | R        | 7                       |   | 7        | 一        | _         | П        | Н        | Н        |     | М               | 62       | Н        | $\dashv$ | 十                       | +         | 十       | +       | ╁                  | †                  | 1          | Н  | 112        | +                       | +                       | ╁               | +-              | ┥                   |                    |             |  |
| <u> </u> |          | 0        | J                       |   |          |          | _         |          |          | П        |     |                 | 63       | М        | $\dashv$ | $\dashv$                | +         | +       | 十       | +                  | †                  | 1          | $\vdash \vdash$  | 113        | +                       | 十                       | +               | $\vdash$        | ╁┤                  | $\dashv$           |             |  |
| $\Box$   | 14       |          |                         | J   |          |          |           |          |          |          |     |                 | 64       |          | 口        | $\dashv$                | $\dashv$  | 1       | +       |                    | T                  | 1          | Н  | 114        | $\top$                  | +                       | T               | 1               | H                   | $\dashv$           | $\dashv$    |  |
| $\Box$   | 15       |          | $oldsymbol{\mathbb{I}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\Box$   |          |           |          |          |          |     |                 | 65       |          |          |                         |           | $\top$  | _       | $\top$             | T                  | 1          |  | 115        | 十                       | +                       | 1               | $\Box$          | H                   |                    | -           |  |
| _        | 16       | Ц        | $\bot$                  | $\perp$   | J        | $\Box$   |           |          |          |          |     |                 | 66       | П        | $\Box$   | $\Box$                  | $\Box$    | Ι       | I       | $oldsymbol{\perp}$ |                    | ]          |  | 116        | ▆                       | T                       | T               | П               |                     | _                  | $\top$      |  |
| _        | 17       | $\sqcup$ | 4                       | 4   | _        |          |           | Щ        | Ц        | Ш        |     | L               | 67       | Ц        | $\Box$   | $\bot$                  | I         | $\perp$ | $\perp$ |                    | Г                  | ] ,        |  | 117        | ightharpoons            | I                       | L               |                 |                     |                    |             |  |
| -+       | 18       | $\dashv$ | 4                       | -   | 4        | 4        |           | Ш        | $\sqcup$ | Щ        |     | L               | 68       | Ш        | [        | $\perp$                 | 4         | 4       | 1       | $\perp$            | L                  | 1          | $oxed{\Box}$   | 118        | $\Box$                  | $\perp$                 | $\Gamma$        |                 |                     | $\Box$             |             |  |
| -+       | 19<br>20 | -        | 4                       | +   | -        |          |           | Н        | $\sqcup$ | Щ        |     | <b>  </b>       | 69       | $\sqcup$ | _        | 4                       | 4         | 4       | 4       | 4                  | $\vdash$           | 1          | <b>└</b>   | 119        |                         |                         | $\perp$         | $\Box$          | П                   | J                  | $\Box$      |  |
|          | 21       | ┥        | +                       | -+  | +        | $\dashv$ |           | $\vdash$ | $\vdash$ | $\dashv$ | - 1 |                 | 70       | $\dashv$ | -        | +                       | 4         | -       | +       | ╀                  | ╄                  | 1          | $\vdash \!\!\!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $ | 120        | _                       | _                       | ┺               |                 | Ш                   | _                  | $\bot$      |  |
|          | 22       | -+       | +                       | $\dashv$  | $\dashv$ | ↤        | $\dashv$  | Н        | $\dashv$ | -        |     | $\vdash$        | 71<br>72 | ⊢⊢       |          | +                       | +         | +       |         | +                  |                    | <b>∤</b> ∣ |  | 121        |                         | +-                      | 4-              |                 | Щ                   | 4                  | 4-          |  |
|          | 23       | $\dashv$ | $\dashv$                | 十   | $\dashv$ | -        | $\dashv$  | $\vdash$ | -        | -        |     |                 | 73       | $\dashv$ | ┰        | ┿                       | +         | +       | ┿       | ┿                  | +                  |            |  | 122        | +                       | ╄                       | ╂—              | Н               | $\vdash \downarrow$ |                    | +           |  |
|          | 24       | $\dashv$ | 十                       | +   | +        | $\dashv$ | ᅱ         | Н        | -        | $\dashv$ |     | $\vdash \vdash$ | 74       | $\dashv$ | $\dashv$ | +                       | +         | +       | +       | ╁                  | ╁                  | 1          | <del>                                     </del>                   | 124        | +                       | +                       | ╁               | $\vdash$        | $\vdash \vdash$     | +                  | +           |  |
| $\top$   | 25       | _†       | _†                      | ╅   | 1        | $\neg$   | ┪         | $\vdash$ | $\dashv$ | 一        |     | $\vdash$        | 75       | -        | +        | ╅                       | +         | +       | ╈       | +                  | $\vdash$           | 1          | -  | 125        | +                       | ╁                       | +               | $\vdash$        | $\vdash$            | $\dashv$           | +           |  |
| $\Box$   | 26       |          |                         |   |          |          |           |          | 丁        | 彐        |     |                 | 76       | 7        | ┪        | $\top$                  | $\dagger$ | $\top$  | 十       | 十                  | 1                  | 1          | $\vdash$   | 126        | +                       | +                       | $\vdash$        | $\vdash$        | $\vdash$            | $\dashv$           | +           |  |
|          | 27       | $\Box$   | I                       | I   | I        | $\Box$   | ┚         |          |          |          |     |                 | 77       |          |          |                         | T         | 丁       | T       | $\top$             |                    | 1          |  | 127        | 7                       | $\top$                  | †               | Н               | -                   | +                  | +           |  |
|          | 28       | _        | 4                       | $\perp$   | 4        | J        | _]        |          | コ        | 囗        |     |                 | 78       | $\Box$   |          | $oldsymbol{\mathbb{I}}$ | Ι         | I       | Ι       | Ι                  |                    | ]          |  | 128        | 丁                       | T                       | T               |                 |                     | _ †                | +           |  |
|          | 29       | +        | 4                       | $\bot$  | 4        | 4        | _         | _        | _        | _        |     |                 | 79       | $\dashv$ | $\Box$   | $\perp$                 | $\bot$    | $\perp$ | I       | $\perp$            |                    | ] [        |  | 129        | $oldsymbol{\mathbb{T}}$ | $oldsymbol{\mathbb{L}}$ |                 |                 |                     |                    | 丁           |  |
|          | 30       | +        | 4                       | 4   | 4        | -+       | 4         | _        | 4        | _        | ļ   |                 | 80       | 4        | 4        | $\perp$                 | 4         | 1       | $\perp$ | $\perp$            | $\Box$             |            |  | 130        | T                       | $\Box$                  |                 |                 |                     | $\Box$             |             |  |
| ╫        | 31<br>32 | $\dashv$ | +                       | +   | +        | +        | -         |          |          | $\dashv$ | ļ   |                 | 81       | 4        | -        | +                       | 4         | +       | 4-      | 4-                 | $\vdash$           |            |  | 131        |                         | $\perp$                 | <u> </u>        | Ц               |                     |                    | $\perp$     |  |
|          | 33       | ┰        | +                       | +   | +        | +        | -         |          | -+       | $\dashv$ | - } |                 | 82       | +        | $\dashv$ | -                       | +         | +       | +-      | +                  | Н                  |            |  | 132        | 4                       | +                       | 1               | Ш               | 4                   | 4                  | 4           |  |
| $\dashv$ | 34       | $\dashv$ | +                       | +   | +        | +        | ┥         |          | $\dashv$ | $\dashv$ | ł   |                 | 83<br>84 |          | +        | +                       | +         | +       | +       | +-                 | $\vdash$           |            | $\rightarrow$  | 133        | 4                       | ╄                       | $\vdash$        | $\vdash \vdash$ | -                   | 4                  | $\bot$      |  |
| $\top$   | 35       | +        | +                       | +   | ╁        | +        | +         | -+       | -+       | $\dashv$ | ł   | -               | 85       | -+       | $\dashv$ | +                       | +         | +       | ╁       | +                  | Н                  |            | $\dashv$   | 134<br>135 | +                       | +                       | ╀               | $\vdash \vdash$ |                     | +                  | +           |  |
|          | 36       | 7        | †                       | $\top$  | 7        | 十        | ┪         | -+       | _        | $\dashv$ | ł   | $\dashv$        | 86       | +        | $\dashv$ | +                       | +         | ╅       | ╁       | ┿                  | Н                  | }          |  | 136        | -                       | +                       | -               | $\vdash \vdash$ | -                   | +                  | +           |  |
|          | 37       | ┰        | $\top$                  | 十   | 1        | _        | _         | _        | 7        | $\dashv$ | ŀ   |                 | 87       | $\dashv$ | ┪        | +                       | +         | +       | +       | +                  | Н                  |            | $\dashv$   | 137        | ┰                       | ╫                       | $\vdash$        | $\vdash$        | +                   | +                  | +-          |  |
|          | 38       | $\Box$   | I                       | I   | I        |          |           |          |          | 7        | ı   | $\dashv$        | 88       | $\dashv$ | 十        | 十                       | 十         | +       | T       | $\top$             | Н                  |            |  | 138        | +                       | +                       | t               | $\vdash$        | $\dashv$            | -+                 | ╅           |  |
|          | 39       | T        | I                       | I   | $\Box$   | I        | J         |          | 丁        |          | Ì   |                 | 89       |          | 寸        | _                       | T         | $\top$  | $\top$  | $\top$             | Н                  |            |  | 139        | $\top$                  | $\top$                  |                 | $\vdash$        | +                   | 十                  | +           |  |
|          | 40       | $\perp$  | $oldsymbol{\perp}$      | $\perp$   | I        | $\perp$  | J         | J        | $\Box$   |          | [   |                 | 90       | $\Box$   |          | ╧                       | T         |         | Τ       | Т                  | П                  |            |  | 140        | $\top$                  | 1                       | П               | $\Box$          | 十                   | +                  | +           |  |
|          | 41       | $\perp$  | $\perp$                 | $\perp$   | Ţ        | I        | Ţ         | $\Box$   | $\Box$   | $\Box$   |     |                 | 91       | $\Box$   | $\Box$   | Ι                       | I         | I       | Ι       |                    |                    |            |  | 141        | ╛                       | İ                       | П               | 1               | 十                   | $\top$             | $\top$      |  |
|          | 42       | 4        | 4                       | 4   | 4        | 4        | 4         | _        | 4        | 4        | Ĺ   |                 | 92       | $\bot$   | $\perp$  | $\perp$                 | Ţ         | $\perp$ | Γ       | $\Box$             |                    |            |  | 142        |                         | $\Gamma$                |                 |                 | I                   |                    |             |  |
| _        | 43       | 4        | 4                       | $\bot$  | 4        | 4        | 4         | _        | _        | _        |     |                 | 93       |          | $\perp$  | $\perp$                 | $\perp$   | T       | L       |                    |                    |            |  | 143        | $oldsymbol{\mathbb{I}}$ |                         |                 |                 |                     |                    |             |  |
|          | 44       | 4        | +                       | +   | +        | -        | 4         | -        | 4        | $\dashv$ | ŀ   |                 | 94       | 4        | $\bot$   | 4                       | 1         | $\bot$  | $\perp$ |                    | Ш                  |            |  | 144        | $\perp$                 |                         | П               |                 | $\Box$              | $\perp$            | 工           |  |
|          | 45<br>46 | +        | +                       | ╬   | ┿        | +        | +         | -+       | -+       | 4        | 1   |                 | 95       | -        | 4        | +                       | 4         | +       | 1       | ↓_                 | Ш                  |            |  | 145        | 4                       | <u> </u>                | Ш               | _[              | $\perp$             | $oldsymbol{\perp}$ |             |  |
|          | 47       | +        | +                       | +   | +        | +        | +         | -        | +        |          | 1   |                 | 96       | +        | 4        | +                       | 4         | +       | ╁       | <b> </b> _         | Ш                  | <u> </u>   |  | 146        | 4                       | $\perp$                 | Ш               | _[              |                     | _                  | 1           |  |
|          | 18       | +        | ╁                       | +   | ╁        | +        | +         | $\dashv$ | +        | $\dashv$ | ŀ   |                 | 97<br>98 | +        | +        | ┿                       | +         | +-      | ╂       | -                  | $\dashv$           | -          |  | 147        | +                       | ╀                       | Ш               | 4               | 4                   | 4                  | <u>   `</u> |  |
|          | 19       | 十        | +                       | ╁   | +        | +        | +         | +        | +        | $\dashv$ | H   | <del>-</del>    | 98       | +        | ┰        | +                       | ╀         | +-      | ╄       | 1-                 | $\dashv$           | -          |  | 148        |                         | ₩                       | $\vdash \vdash$ | _               | +                   | +                  | 4-          |  |
|          | 50       | +        | +                       | +   | +        | +        | $\forall$ | +        | $\dashv$ | $\dashv$ | ŀ   |                 | 100      | +        | $\dashv$ | +                       | ╁         | ╁       | ╁       | ⊢                  | ᅱ                  | ⊦          |  | 149        | +                       | ⊢                       | $\vdash$        | -+              | +                   | +                  | +-          |  |
|          | - 1      |          |                         |   | . 1      | _        |           |          |          | _        | L   |                 | .00      |          |          |                         |           |         | 1_      | _                  | Щ                  | Ļ          |  | 150        | L                       | 1_                      | $\sqcup$        |                 | L                   |                    |             |  |